

20010928.qrp v02_n326.qrl.20010928

Date: Fri, 28 Sep 2001 19:03:03 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2326

QRP-L Digest 2326

Topics covered in this issue include:

- 1) [107588] Re: Computer Monitor Toroids??
by "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
- 2) [107589] FS K2
by Dave Pomeroy <dave@dpomeroy.com>
- 3) [107590] FS K2
by Dave Pomeroy <dave@dpomeroy.com>
- 4) [107591] Milliwatt CD
by "Patrick York" <pyork@cetlink.net>
- 5) [107592] For Sale
by Michael Goins <mgoins@usa.net>
- 6) [107593] WTB: K1
by "Kelly Ellison" <kelman@sofnet.com>
- 7) [107594] g3ycc site(and memorial sites)
by <baltimoremd@baltimoremd.com>
- 8) [107595] QRP Current Balun
by MertNellis@aol.com
- 9) [107596] FS: Wilderness Sierra - built, with all options
by Dave Redfearn <n4elm@home.com>
- 10) [107597] VFO Controlled MicroMountaineer
by Ed Kessler <edkess@pa.net>
- 11) [107598] Building 2N2-40 VFO
by "TC Dufresne" <tdufresne@neb.rr.com>
- 12) [107599] correction on For Sale
by Michael Goins <mgoins@usa.net>
- 13) [107600] FS: KNWDS TS-450S/AT
by Wayne <aa5jj@swbell.net>
- 14) [107601] FT: Psk 20 /80
by "Pastor-KC1DI" <elbc@pivot.net>
- 15) [107602] Re: Building 2N2-40 VFO
by "John J. McDonough" <wb8rcr@arrl.net>
- 16) [107603] PatComm PC500 Update
by Tim ORourke <TORourke@KaiserFT.com>
- 17) [107604] Re: Shorthand
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 18) [107605] October Bacon Bits
by "N8IE" <n8ie@woh.rr.com>
- 19) [107606] Re: QRP at Pacificon ???

- by lhlousek <lhlousek@nvhbell.net>
- 20) [107607] Swap
by "Francis Callahan" <colcal@srv.net>
- 21) [107608] Re: Building 2N2-40 VFO
by Russ Hines <wb8zcc@one.net>
- 22) [107609] Re: Building 2N2-40 VFO
by "John J. McDonough" <wb8rcr@arrl.net>
- 23) [107610] LDG RT-11 remote antenna tuner
by "Joe W2KJ" <w2kj@earthlink.net>
- 24) [107611] Re: Q and Z signals - Pro words
by Oscar A Hoyt <k5ubs@juno.com>
- 25) [107612] Re: Building 2N2-40 VFO
by Russ Hines <wb8zcc@one.net>
- 26) [107613] Re: PatComm PC500 Update
by cherry@getnet.net
- 27) [107614] Re: Diode
by "Bob Tellefsen" <n6wg@earthlink.net>
- 28) [107615] QRP hiking trip
by "Steven Weber" <kd1jv@moose.ncia.net>
- 29) [107616] Looking for SST article spring 97 QRPp
by "Craig A. Ferris" <cferris@aeronix.com>
- 30) [107617] Re: QRP hiking trip
by N10DL@aol.com
- 31) [107618] Re: [GQRP] Morse help
by George Gingell <k3tks@u1.abs.net>
- 32) [107619] TS 140
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 33) [107620] Re: QRP hiking trip (emergency antennas)
by Gary Slagel <gds slagel@yahoo.com>
- 34) [107621] Re: QRP hiking trip
by "Karl F. Larsen" <k5di@zianet.com>
- 35) [107622] Re: QRP hiking trip (emergency antennas)
by "Howard Kraus" <K2UD@adelphia.net>
- 36) [107623] Re: Swap
by baltimoremd@baltimoremd.com
- 37) [107624] Just testing
by "Jim N0UR" <n0ur@mediaone.net>

Date: Thu, 27 Sep 2001 19:32:33 -0700
From: "Glen Leinweber" <leinwebe@mcmaster.cis.mcmaster.ca>
To: <w9wis@charter.net>
Cc: "qrp-l" <qrp-l@lehigh.edu>
Subject: [107588] Re: Computer Monitor Toroids??
Message-ID: <000d01c147c5\$d3f89e60\$07ea7182@mcmaster.ca>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Michael asks about using VGA cable ferrites as cores for W2DU baluns...The toroids are all about 1.3" long, .68" wide, .19" thick and with a .38" center hole.

These are certainly ferrite rather than iron-powder, and have quite high permeability. They should be useful as coax chokes, and as wideband transformers in the HF range (especially in the lower HF range).
Wound some test turns on one, and resonated it with a 100pf capacitor. Drove it with a function generator, and monitored on a 'scope:
10t - 1Mhz. - 250uH
3t - 4.2 MHz. - 14.3uH
2t - 7.0 MHz. - 5.17uH
1t - >13MHz - ?uH.

You can see a trend: as frequency goes up, you get a bit less inductance per turn. What you can't see is that the resistive component of the total reactance goes up (as frequency goes up) too. This is all standard ferrite behavior.

Yes, I'd try these in a balun, especially on the lower bands. You can wiggle one (with a bit of effort) over RG-8. You can barely get two turns of RG-58 thru the hole. It'll accept quite a few turns of #18 magnet wire.
Glen VE3DNL

Date: Thu, 27 Sep 2001 11:04:48 -0400
From: Dave Pomeroy <dave@dpomeroy.com>
To: qrp-l@Lehigh.EDU
Subject: [107589] FS K2
Message-ID: <5.1.0.14.0.20010927105726.00a0a4a0@mail.dpomeroy.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have a fully loaded K2 for sale. It has the KSB2, KNB2, KAF2, KAT2, KBT2, and the KI02, everything but the 160 meters. In great shape. This is the 2nd K2 I've built and I'm selling cause I need the money. I'M asking \$900 plus shipping from 49009, but make me an offer.

I also have a Tek 7603 scope with 2-7A26, 1-7B53A and 2-Avex Probes model 510-SW-1. The probes are new. This is a very heavy scope and I can ship

it but you'll have to pay for packing and shipping. Same Zip code. I'm asking \$300 but, make me an offer.

Thanks in advance.

Dave Pomeroy K8DNP South Western Michigan

Date: Thu, 27 Sep 2001 20:27:29 -0400
From: Dave Pomeroy <dave@dpomeroy.com>
To: qrp-l@Lehigh.EDU
Subject: [107590] FS K2
Message-ID: <5.1.0.14.0.20010927202653.00a13b70@mail.dpomeroy.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I have a fully loaded K2 for sale. It has the KSB2, KNB2, KAF2, KAT2, KBT2, and the KI02, everything but the 160 meters. In great shape. This is the 2nd K2 I've built and I'm selling cause I need the money. I'M asking \$900 plus shipping from 49009, but make me an offer.

I also have a Tek 7603 scope with 2-7A26, 1-7B53A and 2-Avex Probes model 510-SW-1. The probes are new. This is a very heavy scope and I can ship it but you'll have to pay for packing and shipping. Same Zip code. I'm asking \$300 but, make me an offer.

Thanks in advance.

Dave Pomeroy K8DNP South Western Michigan

Date: Thu, 27 Sep 2001 21:21:01 -0400
From: "Patrick York" <pyork@cetlink.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [107591] Milliwatt CD
Message-ID: <200109280124.f8S10iv38335@mail.cetlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello gang,

I ordered the Milliwatt CD on 8/17/01. My check was sent to the address in Goldenrod, FL that is listed on QRPWORLD.COM. I never received the CD, nor has my check cleared. I have been unsuccessful in my attempts to contact Tom Arvo WA8DXD. The email address listed for him on QRZ is no longer valid. Does anyone on the list have any idea how I can contact him? I would really like to get the CD. Any help would be greatly appreciated.

72 de Pat KF4LMZ
Rock Hill, South Carolina

Date: 27 Sep 2001 20:44:32 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-l@lehigh.edu
Subject: [107592] For Sale
Message-ID: <20010928014433.1303.qmail@cpdvgl100.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Switching the station around. I have the following items for sale:

1. FT-817 w/300 Inrad filter, w/aftermarket nylon bag, factory mike (factory box), as new \$700
2. SM57 Shure professional microphone, new in the box (same mike as used on the presidential podium) \$70
3. Amp, 10-40 meters, AMCOMM HB-150 penetrater, \$90
4. AT-11 LDG, older model, excellent, factory built \$125
5. Dentron W2 wattmeter, some side scratches, front nice, reads forward and reflected power simultaneously, 200/2000 watt scale \$45
6. Realistic amplified speaker, like new \$15
7. KLM 70 watt, PA70-BL vhf fm \$75
8. Mirage B34 2 meter amp, 1-8 watts in, 35 watt out, FM
 , like new in box

x

\$55

9. Outbacker perth plus, with cloth bag, like new \$160

10. Ten tec 1202 wattmeter, hf/vhf, new, 20/200 watt scale, untested \$40=

11. ATX multiband antenna for the FT-817 (or any rig with a BNC connector=
)
\$95

All prices are shipped CONUS. =

Please reply direct to mgoins@usa.net
Michael Goins wb5yjx

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Thu, 27 Sep 2001 21:03:49 -0500
From: "Kelly Ellison" <kelman@sofnet.com>
To: <qrp-1@Lehigh.edu>
Subject: [107593] WTB: K1
Message-ID: <006501c147c1\$d1e6ab20\$a898b0d1@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,

looking to buy a built or unbuilt K1. With or without options.
Let me know what you have. Thank you.

Kelly Ellison - WB0WQS

Date: Thu, 27 Sep 2001 22:12:11 -0400 (EDT)
From: <baltimoremd@baltimoremd.com>

To: "qrp-L@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [107594] g3ycc site(and memorial sites)
Message-ID: <Pine.BSI.4.05L.10109272210080.2232-1000000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Did anyone manage to save the qsls2.htm file from the the g3ycc site?

I don't have it, so the memorial site at www.zerobeat.net is incomplete.

Thanks
Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and Drake Mail List Pages

Date: Thu, 27 Sep 2001 22:15:59 EDT
From: MertNellis@aol.com
To: qrp-l@lehigh.edu, mnqrp-l@qth.net
Subject: [107595] QRP Current Balun
Message-ID: <6e.10a7f3d6.28e5375f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi QRPers,
All the recent balun discussion prompted the following:
I have designed a small current balun to be used at the center of a tuned dipole. It should be used with a tuned dipole so that it will see a nearly resistive load in the 40 to 80 ohm range. This 1:1 current balun works well from 7 Mhz to 21.5 Mhz by providing a minimum of 250 ohms common mode impedance at the lowest frequency and more as the frequency increases. The top frequency is limited by leakage inductance and stray capacity. Baluns for other frequencies can be provided. The small ferrite toroid and windings are potted in a 1/2 inch PVC pipe cap with a BNC connector and screw eyes for connecting the dipole halves. A 5/8 inch unit was displayed at FDI in Dayton with a sign-up sheet for information but further tests and development were performed over the past summer resulting in a size reduction to a 1/2 inch pipe cap but delayed the release of this information until now.

The small size and weight of this balun makes it ideal for suspension at the center of a lightweight qrp dipole and helps to optimize the performance of

any tuned, coax fed dipole. I believe that it will work for "nested" dipoles as well, but has not been tested in that connection (yet).

I have been using these baluns on my coax fed dipoles for some time, working in the various qrp contests with good results.

Sub-Tronics Inc. of Stacy, MN (www.sub-tronics.com) can supply these baluns complete (potted) or as kits (parts and instructions but no potting) at \$24.95 complete each or 8.95 kits each plus about \$4.00 shipping and handling. Quantity buys at lower prices (pool orders). I am hoping that specifications will be on Sub-Tronics' web site soon. Talk to Bob Rife 1-800-397-9661 or by e-mail --sales@sub-tronics.com.

Date: Thu, 27 Sep 2001 21:32:39 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [107596] FS: Wilderness Sierra - built, with all options
Message-ID: <3BB3E147.AADCAD8B@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

Wilderness Sierra HF transceiver
0 - 150 KHz VFO, RIT, ABX,
full break-in CW, approx 1-2 watts output

includes:

KC2 LCD display/keyer
BuzzNot Noise Blanker

All Band modules:
160,80,40,30,20,17,15,12,&10 Meters.

In very good condition, no scratches or dings.
Everything works well.
Comes with manual and DC cable.

Asking \$425.00 OBO + shipping from TX

Pictures available on request.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Thu, 27 Sep 2001 22:45:05 -0400
From: Ed Kessler <edkess@pa.net>
To: "Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [107597] VFO Controlled MicroMountaineer
Message-ID: <5.0.2.1.0.20010927223431.00a36740@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good Evening,

I just completed updating my web site to include my most recent project: a vfo-controlled microMountaineer for 40m. This project was inspired by Roger Hayward, KA7EXM, who had a similar rig on the ARS Rendezvous.

I used this rig in the NJ-QRP Homebrew Sprint last weekend and found it to be quite useable and, of course, fun.

I don't have a lot of circuit details, i.e., schematics, posted. Just some photos of the layout of the rig. But I do have a schematic of the passive audio bandpass filter that I incorporated into the rig.

I am delighted with its performance; it's a fun little radio.

For those interested . . .

73s
Ed AA3SJ

Ed Kessler AA3SJ
950 Woodside Station Road
Millersburg, PA 17061

website: <http://www.qsl.net/aa3sj>

Date: Fri, 28 Sep 2001 03:28:49 +0100
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-l@lehigh.edu>

Subject: [107598] Building 2N2-40 VF0
Message-ID: <001d01c147c5\$4f53b5a0\$25b31c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've started the building of the VF0, and I have a question. Caps 12a and 12b.

The QRPp article says "Polystyrene cap C12a, in conjunction with C12b (NPO type) provides the ..."

Yet on both the QRPp article and the website article, there is only one cap seen, cap12.

Do I need two cap 12's? Can someone clarify this for me?
Thanks
Tom

Date: 27 Sep 2001 22:36:57 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-l@lehigh.edu
Subject: [107599] correction on For Sale
Message-ID: <20010928033658.28381.qmail@cpdvg100.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

The outbacker is a Stelth Plus, not a Perth Plus. Covers 75-10 meters, as well as 6 meters and 2 meters. Like new - planned to use it with the 817 portable.
Sorry for the error (have another outbacker on the van).

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Thu, 27 Sep 2001 21:48:21 -0500
From: Wayne <aa5jj@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [107600] FS: KNWDS TS-450S/AT

Message-ID: <001001c147c8\$095548e0\$d761fea9@Wayne>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Kenwood TS-450s with antenna tuner Have had rig for a long time have not had any problems with it I am wanting to upgrade my station, rig is a 9+ and operations is a 10 works great comes with hand mic and manual, do not have the box. first 650.00 plus shipping gets it and that is a great price for this rig good luck hope you are first.

73 God bless America

Contact aa5jj@swbell.net

Wayne Williams AA5JJ

713 N. (G) st.

Muskogee, OK 74403

FP-323 Fists 5830

Date: Fri, 28 Sep 2001 06:22:49 -0400

From: "Pastor-KC1DI" <elbc@pivot.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [107601] FT: Psk 20 /80

Message-ID: <00a201c14807\$87498d80\$75cbfea9@elbc>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Good Day,

I have a Small Wonders Lab Psk 20 Built and working in the SWL Case Also have a Psk 80 Warbler mounted in an old VHS Casset holder both work well and have made many Contacts on them.. If you want to give qrp PSK31 a try here's a nice way to do it..

Want to trade them both for a nice 30 or 40 meter CW rig.

Thanks for the bandwidth.

73 Dave KC1DI

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.282 / Virus Database: 150 - Release Date: 9/25/01

Date: Fri, 28 Sep 2001 07:19:13 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <tdufresne@neb.rr.com>
Subject: [107602] Re: Building 2N2-40 VFO
Message-ID: <001a01c1480f\$6a9455a0\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My (old) schematic shows 2 (330 and 220), I used 2, and it works. I was going to go look at the website and see what changed but qsl.net seems to be asleep right now.

Generally the point of using 2 caps is to have the temperature coefficient of the polystyrene cap offset the coefficient of the toroid and varactor to minimize drift. Chances are you're going to fiddle with the turns of the toroid anyway, so if you only put one in you may just get away with it, but the VFO would probably drift with temperature.

This pair of caps (or more) is a pretty common approach. The OHR-100 has a whole string of caps in that spot to get the drift out. In an article on the NC-20, Fifield indicated that getting the right combination there is one of the most time-consuming parts of designing a radio. Apparently it's all pretty much cut and try.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "TC Dufresne" <tdufresne@neb.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, September 27, 2001 10:28 PM
Subject: Building 2N2-40 VFO

> I've started the building of the VFO, and I have a question. Caps 12a and
> 12b.
>

> The QRPP article says "Polystyrene cap C12a, in conjunction with C12b
(NPO
> type) provides the ..."
>
> Yet on both the QRPP article and the website article, there is only one
cap
> seen, cap12.
>
> Do I need two cap 12's? Can someone clarify this for me?
> Thanks
> Tom
>

Date: Fri, 28 Sep 2001 07:51:57 -0400
From: Tim O'Rourke <TORourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [107603] PatComm PC500 Update
Message-ID: <0514B74864ACD511934400508BBB5E3401E0D7@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I bought one of the first rigs out. It did have some minor glitches being an early edition recently the factory requested I send it in for updates. They called me I did not initiate the update. They completely went through the rig made all updates re-aligned all the plug in boards {I have all the bands including 6}. Now this is service, especially on a rig that retails for less than \$400. All the initial glitches have been corrected and the little rig is working FB. I made some 5W contacts on 15 and 20 Meters last evening. S.Korea, Ukraine, Taiwan and had excellent reports. The receiver is very good and with the preamp on it is very Hot. Have not tried all the bands but I expect similar results. As a qualifier I own a K2, Argonaut, FT-301, FT-817 and FT-920. This little rig is quite a performer for the price and I can recommend it especially for those that can not build. The service from Patcomm is also top notch. The PC500 is not a K2 nor was it intended to be, but for a first rig or the casual QRPer who also enjoys 6 meters it deserves a serious look. Tim O'Rourke KG4CHX

Date: Fri, 28 Sep 2001 07:19:48 -0500
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [107604] Re: Shorthand
Message-ID: <200109281219.IAA24142@smtp10.atl.mindspring.net>

> Hmmm....I always thought the ARRL Operating Manual advanced the following as the correct usage:

>

> "AR W1ABC DE K9XYZ K"

Yes, partly. The problem is that their directions are rather vague. And the samples I quoted are right from the copy of "Operating an Amateur Radio Station" that they sent me when I was a novice in 1983. So they show AR being used in two different ways in their examples, sometimes between the text of an actual message and the call signs, sometimes *after* the call signs. My copy of the Operating Manual (which is one edition short of the very latest I think) does the same thing, as does Morse Code the Essential Language.

In actual practice, I believe most hams would use K after the call signs even in the context where the League shows AR. I also have not often heard AR being used before the call signs. Much more often you hear colloquialisms such as HW? or BK. (Which is OK with me, but I think books like the Operating Manual should have a few more examples that look like the real world.)

I'm not advocating doing away with prosigns by any means. I just think we should be teaching what we practice and/or practicing what we teach! The structures shown in operating books could be simplified somewhat and better explained.

The analogy to living language is good. If you learn French or German entirely from books and then try to speak (and listen) the way it was shown in the books, you quickly find out that no one does it that way. The same appears to be true of Morse. We need a series of articles on "Conversational Morse" perhaps. I'd read them, but I can't write them since even after almost 20 years I still don't feel fluent enough.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Fri, 28 Sep 2001 10:26:07 -0400
From: "N8IE" <n8ie@woh.rr.com>
To: "FISTS" <fists@qth.net>, "FPqrp-1" <fpqrp-1@mpna.com>,
"QRP-1" <qrp-1@lehigh.edu>
Subject: [107605] October Bacon Bits
Message-ID: <006901c14829\$86340660\$0300a8c0@woh.rr.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The October issue of the Flying Pigs newsletter, the Bacon Bits is now on line at:
www.fpqrp.com

72, oo
Dan, N8IE
FPqrp-l #-6, FISTS #4985
I have a SOC # but I forgot it.

Date: Fri, 28 Sep 2001 07:39:12 -0700
From: lhlousek <lhlousek@nvhbell.net>
To: ki6ds@dph.dpol.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [107606] Re: QRP at Pacificon ???
Message-ID: <004001c1482b\$570c44e0\$650dfea9@nvhbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi Doug,

Now I remember where I first saw your rundown of the Pacificon QRP symposium.
It is on the Norcal website as follows:

Friday:

6:30 PM - No Host QRP dinner at Fuddruckers.
8:00 PM Hospitality Room Open
8:00 PM - 9:00 PM Annual NorCal Pacificon QSO Party.
Use any rig to work the contest.
CW & SSB Modes Only
Any NON-Warc Hamband

Scoring: 1 point per qso, must exchange name, signal report, and year first licensed. Final Score bands worked x qso's. Example you work WA6GER on 40, 20 and 15. 3 qso's x 3 bands, 9 points. You may work stations on as many bands as you wish, but only 1 mode per band. Logs must be turned in 30 minutes after the end of the contest.

Antennas: Must be able to fit in a 6' x 6' x 6' area. Tuners are allowed.

Saturday:

8:15 AM - 9:15 AM Ed Manual

10:45 - 11:45 AM Bill Jones

1:30 - 2:30 Dave Benson

2:45 - 3:45 Eric Swartz

8:05 PM Jim Cates and 42 Years as a QRPer

8:00 St. Aidan's Benefit Raffle Drawing: Featuring a K2, Red Hot 40, DSW20+, MFJ Cub, MP-1 from Superantennas, plus many other prizes.

9:00 Vendor Night Featuring all of the normal QRP Vendors.

12:00 Hospitality Room Closes.

???How does the QSO party work? Where does everybody setup?

Lou W7DZN

Date: Fri, 28 Sep 2001 09:16:20 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.EDU>
Subject: [107607] Swap
Message-ID: <000901c14830\$884f1a00\$7ade070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know this sounds crazy, but is there anyone who would like to trade a FT817 for a Index Labs QRP Plus revision #3, MFJ 971 tuner, MFJ 462B multi reader. reply direct, Thanks for the BW KF7ET Cal

Date: Fri, 28 Sep 2001 11:18:08 -0400
From: Russ Hines <wb8zcc@one.net>
To: wb8rcr@arrl.net, QRP-L Discussion Group <qrp-l@Lehigh.EDU>
Subject: [107608] Re: Building 2N2-40 VFO
Message-ID: <3BB494B0.C281AF6A@one.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think the benefit of multiple caps at that point is splitting up the internal RF heating among the capacitors. A single poly or NPO capacitor would offer the offset tendency you mention.

That's interesting that apparently two different caps, different in both composition and value, would be used. Regarding temperature and drift, I should think one cap would tend to dominate.

One can do something similar with multiple varactors, for example, in a series-parallel arrangement. Rohde & Schwarz has been doing that in their LO's for years.

Interesting discussion. Thanks.

73,
Russ Hines
WB8ZCC

"John J. McDonough" wrote:

>
> My (old) schematic shows 2 (330 and 220), I used 2, and it works. I was
> going to go look at the website and see what changed but qsl.net seems to be
> asleep right now.
>
> Generally the point of using 2 caps is to have the temperature coefficient
> of the polystyrene cap offset the coefficient of the toroid and varactor to
> minimize drift. Chances are you're going to fiddle with the turns of the
> toroid anyway, so if you only put one in you may just get away with it, but
> the VFO would probably drift with temperature.
>
> This pair of caps (or more) is a pretty common approach. The OHR-100 has
> a whole string of caps in that spot to get the drift out. In an article on
> the NC-20, Fifield indicated that getting the right combination there is one
> of the most time-consuming parts of designing a radio. Apparently it's all
> pretty much cut and try.
>
> 72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
> didileydadidah QRP-L #1446 Code Warriors #35
>
> ----- Original Message -----
> From: "TC Dufresne" <tdufresne@neb.rr.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Thursday, September 27, 2001 10:28 PM
> Subject: Building 2N2-40 VFO
>
> > I've started the building of the VFO, and I have a question. Caps 12a and
> > 12b.

> >
> > The QRPp article says "Polystyrene cap C12a, in conjunction with C12b
> (NPO
> > type) provides the ..."
> >
> > Yet on both the QRPp article and the website article, there is only one
> cap
> > seen, cap12.
> >
> > Do I need two cap 12's? Can someone clarify this for me?
> > Thanks
> > Tom
> >

Date: Fri, 28 Sep 2001 11:43:50 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "QRP-L Discussion Group" <qrp-l@Lehigh.EDU>
Cc: "Russ Hines" <wb8zcc@one.net>
Subject: [107609] Re: Building 2N2-40 VFO
Message-ID: <001d01c14834\$7fc1ef80\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Russ,

There may be some heating benefit, but I suspect most of the heating would come from the transistor. Hopefully there's not much power dissipated in the caps. But the splitting up into 2 or more caps with different compositions makes sense.

Suppose, for example, that the toroid's drift is -1% (just an artificial number for the sake of discussion, I have no idea what the actual number is). If I used NPOs the VFO would drift this -1%. Now, I can't buy just any old temperature coefficient, let's suppose that a polystyrene cap drifted 2%. That's too much to offset the -1% toroid drift, but if I split up my capacitance, half polystyrene and half NPO, I'd balance out the toroid drift.

The picture is, of course, more complicated than that. The varactor as well as the toroid are involved, and capacitance change with temperature isn't linear, and I would expect the shape of the varactor and toroid drifts to be different, so a simple calculation won't get me there. And I can't get caps in any old value, either. I suspect the OHR approach with many caps is to

distribute the capacitance a little more accurately across positive, zero, and negative coefficient caps. I don't have an OHR but I recall studying their schematic a while back and it seems to me they had polystyrene, NP0 and N750's in the VFO.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Russ Hines" <wb8zcc@one.net>
To: <wb8rcr@arrl.net>; "QRP-L Discussion Group" <qrp-l@Lehigh.EDU>
Sent: Friday, September 28, 2001 11:18 AM
Subject: Re: Building 2N2-40 VFO

> I think the benefit of multiple caps at that point is splitting up the
> internal RF heating among the capacitors. A single poly or NP0
> capacitor would offer the offset tendency you mention.
>
> That's interesting that apparently two different caps, different in
> both composition and value, would be used. Regarding temperature and
> drift, I should think one cap would tend to dominate.
>
> One can do something similar with multiple varactors, for example, in
> a series-parallel arrangement. Rohde & Schwarz has been doing that in
> their LO's for years.
>
> Interesting discussion. Thanks.
>
> 73,
> Russ Hines
> WB8ZCC
>
>
> "John J. McDonough" wrote:
> >
> > My (old) schematic shows 2 (330 and 220), I used 2, and it works. I was
> > going to go look at the website and see what changed but qsl.net seems
> to be
> > asleep right now.
> >
> > Generally the point of using 2 caps is to have the temperature
coefficient
> > of the polystyrene cap offset the coefficient of the toroid and varactor
to
> > minimize drift. Chances are you're going to fiddle with the turns of
the

> > toroid anyway, so if you only put one in you may just get away with it,
but
> > the VFO would probably drift with temperature.
> >
> > This pair of caps (or more) is a pretty common approach. The OHR-100
has
> > a whole string of caps in that spot to get the drift out. In an article
on
> > the NC-20, Fifield indicated that getting the right combination there is
one
> > of the most time-consuming parts of designing a radio. Apparently it's
all
> > pretty much cut and try.
> >
> > 72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
> > didileydadidah QRP-L #1446 Code Warriors #35
> >
> > ----- Original Message -----
> > From: "TC Dufresne" <tdufresne@neb.rr.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> > Sent: Thursday, September 27, 2001 10:28 PM
> > Subject: Building 2N2-40 VFO
> >
> > > I've started the building of the VFO, and I have a question. Caps 12a
and
> > > 12b.
> > >
> > > The QRPp article says "Polystyrene cap C12a, in conjunction with C12b
> > (NPO
> > > type) provides the ..."
> > >
> > > Yet on both the QRPp article and the website article, there is only
one
> > cap
> > > seen, cap12.
> > >
> > > Do I need two cap 12's? Can someone clarify this for me?
> > > Thanks
> > > Tom
> > >
>
>

Date: Fri, 28 Sep 2001 12:05:44 -0400
From: "Joe W2KJ" <w2kj@earthlink.net>

To: <QRP-L@LEHIGH.EDU>
Subject: [107610] LDG RT-11 remote antenna tuner
Message-ID: <016e01c14837\$77acd0a0\$6e53fc9e@cdcvh01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy gang:

Weather cooling off significantly here so it is time to play
with the antenna system.

Given certain installation circumstances I am contemplating
using a remote antenna tuner at one of my antenna locations.
Antenna will most likely be a center fed doublet fed with
ladder line to a balun to the remote tuner with coax going to
shack.

I'm considering using the new LDG RT-11 remote mounting
automatic antenna tuner.

Have any of y'all used this tuner with the remote controller
and could you describe the results obtained on your particular
antennas??

Many thanks for any comments forthcoming.

73, Joe W2KJ (North Carolina)

I QRP, therefore I am

Date: Fri, 21 Sep 2001 05:08:14 -0500
From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-l@lehigh.edu
Subject: [107611] Re: Q and Z signals - Pro words
Message-ID: <20010921.055828.-48105.1.k5ubs@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Per "Communication Instructions, Operating Signals, ACP 131"
my interpretation of the below:
message to stations NVLS and NHKW from NOJ

NVLS stand by (ZUJ)
then for NHKW, "the printing accuracy of your signals is partly corrupt
rendering traffic unacceptable" (ZBZ3), "I am receiving your traffic
clear" (ZBZ1), "what is the printing accuracy of my signals" "are you
receiving my traffic clear?" (INT ZBZ/ZBK),
"will you repeat message or rerun no...." (INT ZDK), standby (ZUJ)
is that about right?

> NLVS NHKW DE NOJ
> NLVS ZUJ AR
> NHKW ZBZ3/ZBK1 INT ZBZ/ZBK INT ZDK ZUJ AR
>
> Is there anybody out there that can decipher this?
>
> De Doug
> W4IDW

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, ARCI, NORCAL, SOC
303 303

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/web/>.

Date: Fri, 28 Sep 2001 12:12:12 -0400
From: Russ Hines <wb8zcc@one.net>
To: "John J. McDonough" <wb8rcr@arrl.net>,
QRP-L Discussion Group <qrp-l@Lehigh.EDU>
Subject: [107612] Re: Building 2N2-40 VFO
Message-ID: <3BB4A15C.390FA55@one.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The internal heating I was referring to is that RF flowing in the
capacitor would tend to heat it, thereby changing the value somewhat.
The heating might not be very great, or perhaps even measurable.

I agree with your example, an interesting and good explanation,
although I'd suspect a positive temp coefficient for the toroid versus
a negative one for poly caps.

Very good, John. Thanks for the discussion.

73,
Russ Hines
WB8ZCC

"John J. McDonough" wrote:

>
> Russ,
>
> There may be some heating benefit, but I suspect most of the heating would
> come from the transistor. Hopefully there's not much power dissipated in
> the caps. But the splitting up into 2 or more caps with different
> compositions makes sense.
>
> Suppose, for example, that the toroid's drift is -1% (just an artificial
> number for the sake of discussion, I have no idea what the actual number
> is). If I used NPOs the VFO would drift this -1%. Now, I can't buy just
> any old temperature coefficient, let's suppose that a polystyrene cap
> drifted 2%. That's too much to offset the -1% toroid drift, but if I split
> up my capacitance, half polystyrene and half NPO, I'd balance out the toroid
> drift.
>
> The picture is, of course, more complicated than that. The varactor as well
> as the toroid are involved, and capacitance change with temperature isn't
> linear, and I would expect the shape of the varactor and toroid drifts to be
> different, so a simple calculation won't get me there. And I can't get caps
> in any old value, either. I suspect the OHR approach with many caps is to
> distribute the capacitance a little more accurately across positive, zero,
> and negative coefficient caps. I don't have an OHR but I recall studying
> their schematic a while back and it seems to me they had polystyrene, NPO
> and N750's in the VFO.
>
> 72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
> didileydadidah QRP-L #1446 Code Warriors #35
>
> ----- Original Message -----
> From: "Russ Hines" <wb8zcc@one.net>
> To: <wb8rcr@arrl.net>; "QRP-L Discussion Group" <qrp-l@Lehigh.EDU>
> Sent: Friday, September 28, 2001 11:18 AM
> Subject: Re: Building 2N2-40 VFO
>
> > I think the benefit of multiple caps at that point is splitting up the
> > internal RF heating among the capacitors. A single poly or NPO
> > capacitor would offer the offset tendency you mention.
> >
> > That's interesting that apparently two different caps, different in
> > both composition and value, would be used. Regarding temperature and

> > drift, I should think one cap would tend to dominate.
> >
> > One can do something similar with multiple varactors, for example, in
> > a series-parallel arrangement. Rohde & Schwarz has been doing that in
> > their LO's for years.
> >
> > Interesting discussion. Thanks.
> >
> > 73,
> > Russ Hines
> > WB8ZCC
> >
> >
> > "John J. McDonough" wrote:
> > >
> > > My (old) schematic shows 2 (330 and 220), I used 2, and it works. I was
> > > going to go look at the website and see what changed but qsl.net seems
> > > to be
> > > asleep right now.
> > >
> > > Generally the point of using 2 caps is to have the temperature
> > > coefficient
> > > of the polystyrene cap offset the coefficient of the toroid and varactor
> > > to
> > > minimize drift. Chances are you're going to fiddle with the turns of
> > > the
> > > toroid anyway, so if you only put one in you may just get away with it,
> > > but
> > > the VFO would probably drift with temperature.
> > >
> > > This pair of caps (or more) is a pretty common approach. The OHR-100
> > > has
> > > a whole string of caps in that spot to get the drift out. In an article
> > > on
> > > the NC-20, Fifield indicated that getting the right combination there is
> > > one
> > > of the most time-consuming parts of designing a radio. Apparently it's
> > > all
> > > pretty much cut and try.
> > >
> > > 72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
> > > didileydadidah QRP-L #1446 Code Warriors #35
> > >
> > > ----- Original Message -----
> > > From: "TC Dufresne" <tdufresne@neb.rr.com>
> > > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > > Sent: Thursday, September 27, 2001 10:28 PM
> > > Subject: Building 2N2-40 VFO

> > >
> > > > I've started the building of the VF0, and I have a question. Caps 12a
> and
> > > > 12b.
> > > >
> > > > The QRPP article says "Polystyrene cap C12a, in conjunction with C12b
> > > (NPO
> > > > type) provides the ..."
> > > >
> > > > Yet on both the QRPP article and the website article, there is only
> one
> > > cap
> > > > seen, cap12.
> > > >
> > > > Do I need two cap 12's? Can someone clarify this for me?
> > > > Thanks
> > > > Tom
> > > >
> >
> >

Date: Fri, 28 Sep 2001 09:22:04 -0700 (MST)
From: cherry@getnet.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [107613] Re: PatComm PC500 Update
Message-ID: <1001694124.3bb4a3ac4ad3d@mail.getnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I have a PC-500 and it works great. I even have used it on PSK31. It does overload with very strong signals, but they are working fixing that. Maybe I need to send it in to get it upgraded. It is my only 6M rig and there I have used it for meteor scatter using the new FSK441 meteor scatter mode. I have used it for portable operation even though it draws 600 ma on receive. It is hard to have a computer and a DDS and not use some current. It has built-in keyboard Morse code. I still have a kit that I have not finished, so I am glad this transceiver comes complete. The VOX works great, but I had to add a circuit to key an amplifier. I use 150W on 6M meteor scatter. Patcomm picks stable crystals so the frequency is very close and does not drift much. It is not as good as a TCXO or oven but good for that price. The speech processor sounds good, but you can not turn it off for digital modes. I needed to adjust the level so psk31

sounds good. The output transistor is 70W so at a maximum of 15W out it is not stressed. The ALC works very well so it will not burn up the output when the antenna connection breaks.
Jim FitzSimons W7ANF

Quoting Tim O'Rourke <TO'Rourke@KaiserFT.com>:

> I bought one of the first rigs out. It did have some minor glitches
> being an
> early edition recently the factory requested I send it in for updates.
> They
> called me I did not initiate the update. They completely went through
> the
> rig made all updates re-aligned all the plug in boards {I have all the
> bands
> including 6}. Now this is service, especially on a rig that retails for
> less
> than \$400. All the initial glitches have been corrected and the little
> rig
> is working FB. I made some 5W contacts on 15 and 20 Meters last
> evening.
> S.Korea, Ukraine, Taiwan and had excellent reports. The receiver is very
> good
> and with the preamp on it is very Hot. Have not tried all the bands but
> I
> expect similar results. As a qualifier I own a K2, Argonaut, FT-301,
> FT-817 and FT-920. This little rig is quite a performer for the price
> and I
> can recommend it especially for those that can not build. The service
> from
> Patcomm is also top notch. The PC500 is not a K2 nor was it intended to
> be,
> but for a first rig or the casual QRP'er who also enjoys 6 meters it
> deserves
> a serious look. Tim O'Rourke KG4CHX
>

Date: Fri, 28 Sep 2001 09:26:25 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [107614] Re: Diode
Message-ID: <MABBJOEABOILMKCJCLFCGEENCLAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nils

This is an old idea that still works just fine.

Years ago Heath made a remote antenna switch box that used low voltage ac, as I recall.

They put diodes in series with the ac source to give a + or - voltage out, or an ac voltage out to an ac relay. Got three different relays working that way across the same wire pair. Good luck.

73, Bob N6WG

Date: Fri, 28 Sep 2001 12:04:30 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [107615] QRP hiking trip
Message-ID: <200109281634.f8SGY0c07046@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

HI Gang,

Just back from doing some hiking on the Vermont Appalachian trail this week. Ended up just staying out for 3 nights and 4 days for varrious reasons, covering about 35 miles of trail.

I brought along a small QRP station, but it didn't work out very well. Had a problem with the 1/2 wave, end feed antenna tuner I cobbled up just before the trip, and hadn't had a chance to test before leaving. Big mistake!

So, the leason learned this time is to make sure everything works before leaving! It's a big dissapointment to find out your antenna system doesn't work once out on the trail, and it's hard not to keep thinking it sure would be easier to go up those steep, rocky trails with out all that extra gear in the pack!

72,

Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
<http://www.qsl.net/kd1jv/index.html>

Date: Fri, 28 Sep 2001 13:09:28 -0400
From: "Craig A. Ferris" <cferris@aeronix.com>

To: qrp-1@Lehigh.EDU
Subject: [107616] Looking for SST article spring 97 QRPp
Message-ID: <3BB4AEC8.CF316C3B@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looking for someone to scan or copy this article. Gladly pay copying and mailing expenses. Please reply direct.

72,

Craig NR4E
Melbourne, FL

Date: Fri, 28 Sep 2001 13:14:46 EDT
From: N10DL@aol.com
To: kd1jv@moose.ncia.net, qrp-1@lehigh.edu
Subject: [107617] Re: QRP hiking trip
Message-ID: <71.135f25bf.28e60a06@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Steve. You might want to check out the MP-1 antenna by Super Antennas. I use it now for weekends at the beach and when traveling. it also has a tripod stand which makes it good for outdoors. very compact. I have had much success with this antenna. Takes less than 5 minutes to set up. you can tune it at home for the bands you want and just put the sleeve to the spot you want for the band you want. Just a thought.....

Aron
N10DL
Bedford, NH
AMC member

Date: Fri, 28 Sep 2001 13:51:17 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: <m5fra@btinternet.com>
Cc: <GQRP@yahoogroups.com>, QRP List <qrp-1@Lehigh.EDU>
Subject: [107618] Re: [GQRP] Morse help
Message-ID: <Pine.BSF.4.33.0109281254150.72953-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Your problem is Typical of many learning Morse Code. I myself have had to learn it Several Times over the past 40 years. Why is that you may ask?

It all has to do with poor learning methods. Some learn the Code by sight, rather than by SOUND! I remember memorizing the Characters and Numbers from a Table in the Boy Scout Handbook. Then there were Flags and Lights.

Later I spent hours on end listening to the W1AW Code Practice Transmissions.

That was a big help, but only after I had my speed up around 15 WPM.

The most important lesson learned there was NEVER LISTEN TO THOSE SESSIONS That BEGIN at 5 WPM and Gradually INCREASE in speed. That is a lesson in Frustration and Defeat!

LISTEN ONLY TO CODE PRACTICE that Starts at 30 WPM and Gradually slows down. It will help BUILD confidence as you will increase in copy as you progress towards the lower speeds. Before you know it 15-20 will start to seem normal and Anything below 15 will seem DEAD SLOW!

Another idea that I found helpful was to use a Computer Program that will READ TEXT FILES. I used one called Morse Tutor by N0IMI ? One thing i liked about it was the fact that you could set the Code (Character) Speed at 30 WPM and then Type up a Straight ASCII File on my word processor and play it back in CW. The fact that I had previously read the material and typed it in myself gave it familiarity. One NEAT TRICK that the program allowed was the fact that "SPACES" could be inserted any where in the text, and the Code Program would just PAUSE for the INTERVAL of those SPACES. This way you ended up with 30 WPM TEXT (Characters) with an overall speed that was much lower, or even variable.

5 to 10 SPACES after each sentence, to allow the Brain Rest periods.

The SECRET TIP Here is Learning to RECOGNIZE the Characters at 30 WPM.

In the various LEARNING Attempts that I have made over the years, This has been The Most Significant Factor. There is always going to be a TOP Speed for Recognition. Yes, I am sure there are exceptions. There are always those FEW Individuals like Chuck Adams, K7QO (Ex-K5F0) who are comfortable in the 60-100 WPM Range. Like Computers, Some Brains Have a Higher Clock Speed. I am running a Z80, Chuck a Pentium. :^}

Speaking of Chuck, He had a Web Site with lots of Code Stuff on it.
<<http://www.qsl.net/k7qo/>> I haven't checked since he moved to NV to see if it was still up or not.

Check out some of the QRP Club Web sites for more Current Links.

I almost forgot, Throw Away the Pen/Pencil, and just listen. If you can type, Copying with your Computer Word Processor, is fine. In fact the best way if you must transcribe it.

In case you are wondering, what's the difference? You will find that you will not be able to Write more than 20-25 WPM.

Guess that is about it. Try to listen to Good Code that is at least 5-10 WPM above your comfort zone.

There a few spots on the Low end of the bands where Guys like Chuck and other HISpeed Ops hang out. Listen when you can. Another REAL GOOD place to find Zippy Code is in the CONTESTS. The nice thing about them is that the text is predictable and REPEATED. Instead of Operating in the Contest, Just LOG it. Get out a big yellow pad and Start at one end of the Band, Find a station, Log his information, and move down the band to the next one. When you can get them all on the first round, you are home free. :^} Then you can plug in the Key and Work them All.

GL es Have Fun!

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Fri, 28 Sep 2001 13:52:23 -0500

From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <casey.jay@gte.net>
Cc: <qrp-l@Lehigh.EDU>
Subject: [107619] TS 140
Message-ID: <004801c1484e\$b5b71c90\$4e100a0a@rohredt2000>

Donn,

The beat frequency is the tone you hear in CW mode, when tuning say to 7040 and there is a station on that frequency. Now if he is exactly on 7040 for this Kenwood their design is such, that the tone you hear will be 800 Hz. Otherwise it will be lower or higher pitched. There is a local oscillator called the beat frequency oscillator in any CW Superhet receiver like the 140 has, to gen up an audio tone so you can interpret CW. Otherwise, and you can switch to AM mode on 140 to hear this, you would get only on and off noise and clicks from the CW and it would be hard to decode by ear.

Now as to the power setting, yes the 140 power can be turned lower than 100 watts and the directions you cite are for setting up that mode. We tune our Club rig TS 140 to QRP that way.

Hope that is clear,

72,

Stuart k5KVH

Date: Fri, 28 Sep 2001 12:22:39 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [107620] Re: QRP hiking trip (emergency antennas)
Message-ID: <20010928192240.36731.qmail@web11607.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

>
> I brought along a small QRP station, but it didn't
> work out very
> well. Had a problem with the 1/2 wave, end feed
> antenna tuner I
> cobbled up just before the trip, and hadn't had a
> chance to test
> before leaving. Big mistake!
>

I ran into a similar deal once while camping. Had a tuner but had forgotten the coax to get me from the

tuner to the rig. I ended up cutting two 16'6" wires.

I was able to push one wire into the center of the bnc connector on my sw20 and throw the other end into a tree. Grounded the other wire to a screw on my sw20 and I had a 20 meter vertical with counterpoise. And... was able to make several qso's.

I've thought ever since that everyone should carry around one of these simple antennas for emergencies!

=====

Gary Slagel/N0SXX

Conifer, CO 80433

gdslagel@yahoo.com

Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?

Listen to your Yahoo! Mail messages from any phone.

<http://phone.yahoo.com>

Date: Fri, 28 Sep 2001 14:02:49 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Steven Weber <kd1jv@moose.ncia.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [107621] Re: QRP hiking trip

Message-ID: <Pine.LNX.4.33.0109281352380.1958-100000@cannac.fun>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Steven, You had 1/2 of your antenna. The other half should have been ground wires from your tuner....:-)

I like my backpack dipole. With all switches closed it's a 40 meter dipole fed with RG-172 coax. No ground is required. The whole thing is 66 feet long and I try to get it 20 feet high at the center. Open the outer most switch and it's a 30 meter antenna. Open the next and it's a 20 meter antenna.

You need trees or a high bush to hold the antenna up. I use nylon lacing cord as insulator and antenna rope. In the Wilderness of New Mexico there are always trees to use if your high, above 8,000 feet.

On Fri, 28 Sep 2001, Steven Weber wrote:

> HI Gang,
>
> Just back from doing some hiking on the Vermont Appalachian trail
> this week. Ended up just staying out for 3 nights and 4 days for
> varrious reasons, covering about 35 miles of trail.
>
> I brought along a small QRP station, but it didn't work out very
> well. Had a problem with the 1/2 wave, end feed antenna tuner I
> cobbled up just before the trip, and hadn't had a chance to test
> before leaving. Big mistake!

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.qsl.net/k5di/

Date: Fri, 28 Sep 2001 17:02:23 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <gdslagel@yahoo.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [107622] Re: QRP hiking trip (emergency antennas)
Message-ID: <004101c14860\$df992320\$cb603018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I found an ideal antenna for QRP/portable/emergency use to be the Gusher,
and its incarnations. Available from N2CX, it's very lightweight, creates a
very small footprint in a backpack, a large pocket or glove compartment.

I use mine with the DK9SQ mast, which is also relatively lightweight and
compact. This combo has performance that rivals my home station antennas!

72

Howard Kraus, K2UD

Date: Fri, 28 Sep 2001 17:45:07 -0400 (EDT)
From: baltimoremd@baltimoremd.com

To: Francis Callahan <colcal@srv.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [107623] Re: Swap
Message-ID: <Pine.BSI.4.05L.10109281722390.28719-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Sep 2001, Francis Callahan wrote:

> I know this sounds crazy, but is there anyone who would like to trade a FT817
> for a Index Labs QRP Plus revision #3, MFJ 971 tuner, MFJ 462B multi reader.
> reply direct, Thanks for the BW KF7ET Cal

After you do the deal...send the turn-aways to me...I have a QRP Plus, not
sure of the revision number, but it's clean and works FB....and it
needs to find a new home.

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Fri, 28 Sep 2001 17:00:23 -0500
From: "Jim NOUR" <nOur@mediaone.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [107624] Just testing
Message-ID: <001401c14869\$00c59800\$35552942@mn.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

New computer, posts not showing up. Just testing!

End of QRP-L Digest 2326

